APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100040073-7

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DETERMINATION OF 1-T FLUID AND ITS AGING PRODUCTS IN AVIATION FUELS (Bestimmung von 1-T Fluid und seinen Alterungs Produkten in Flugkraftstoffen). [1963] 19p. 6 refs.
Order from OTS or SLA $1.60 63-10988

Trans. of German language article from the German Experimental Station for Aircraft e. V., Berlin-Adlershof, n.d. [PB-23976, 1942, pt. of PB-23865].

DESCRIPTORS: *Aviation fuels, Quantitative analysis, Ethyl radicals, Bromides, *Lead compounds, Decomposition, Aging (Materials), Dithizone, Fuel additives.

A rapid method for the determination of the ethyl bromide content of aviation fuels is given. The type of tetraethyl lead decomposition products which form during the aging of fuel containing lead is explained and their determination is described. (Author)

63-10988

I. Morghen, L.
II. PB-23 976
III. PB-23 865

A346054

(Materials--Fuels, TT, v. 10 no. 3)
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(NY-10)

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On the Selection of Electric-Furnace Capacities for the Plants of the East in the USSR, by S. A. Morgulev, 9 pp.

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Improved Utilization of Transformer Capacities of Large Electric Steelmaking Furnaces, by S. A. Morgulev, 4 pp.

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Physical Properties of a Porous Metallic-Film Thermionic Cathode. I., by M. D. Morgulis, 13 pp.

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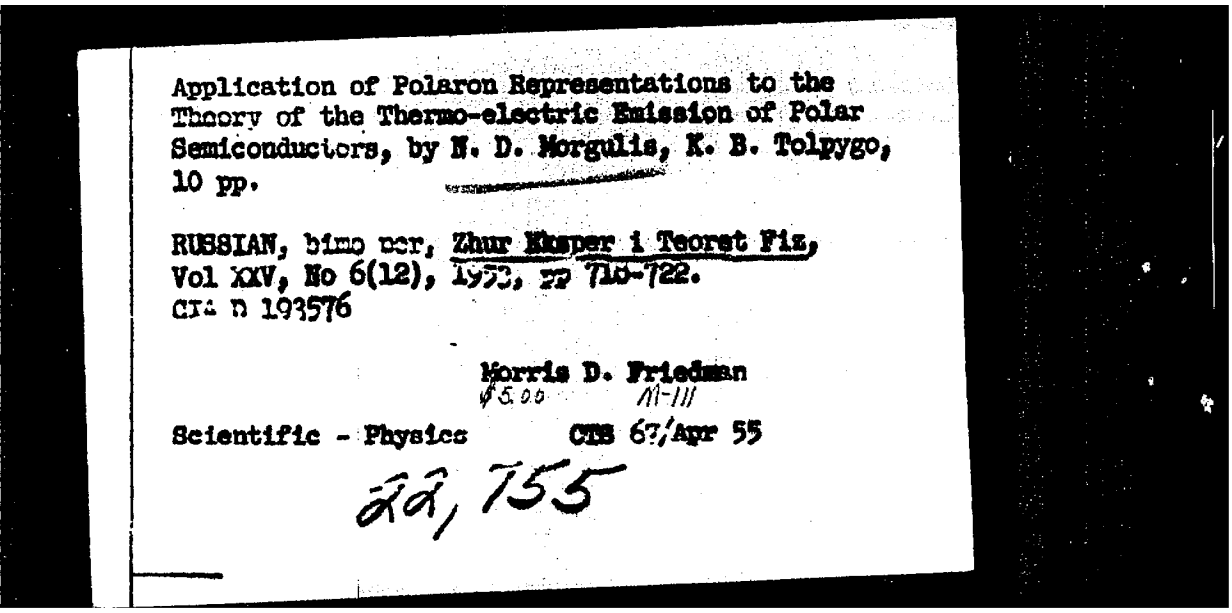

Application of Polaron Representations to the Theory of the Thermo-electric Emission of Polar Semiconductors, by N. D. Morgulis, K. B. Tolpygo, 10 pp.

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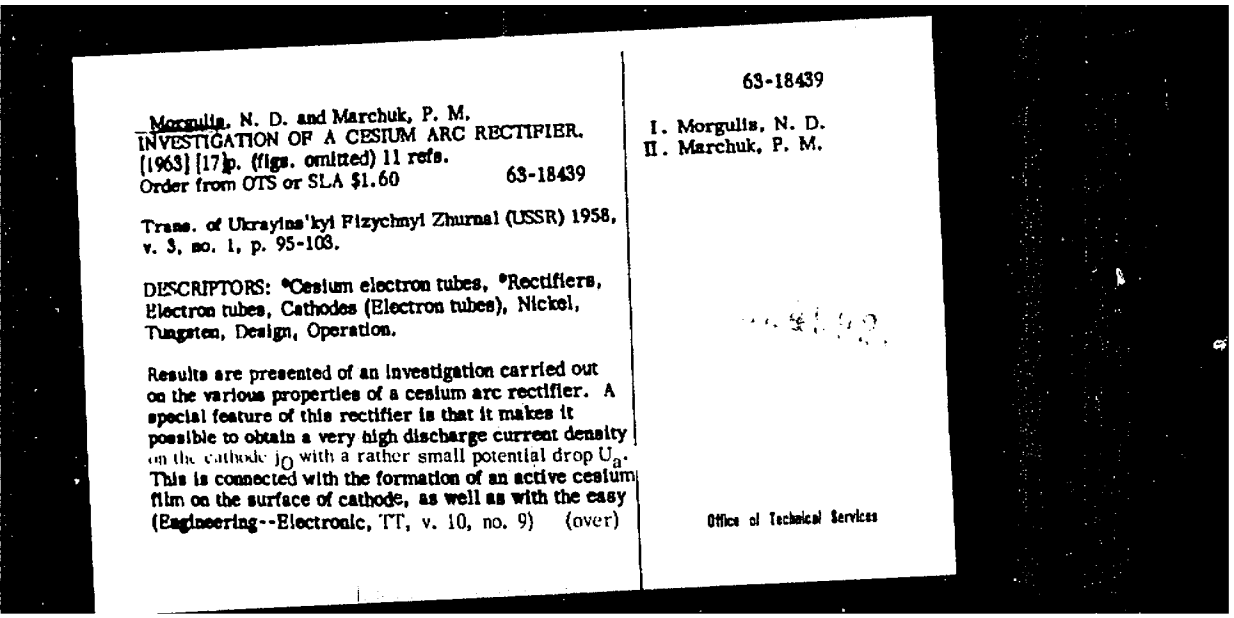

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INVESTIGATION OF A CESIUM ARC RECTIFIER.
[1963] [17]p. (figs. omitted) 11 refs.
Order from OTS or SLA $1.60 63-18439

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1958, v. 3, no. 1, p. 95-103.

DESCRIPTORS: *Cesium electron tubes, *Rectifiers, Electron tubes, Cathodes (Electron tubes), Nickel, Tungsten, Design, Operation.

Results are presented of an investigation carried out on the various properties of a cesium arc rectifier. A special feature of this rectifier is that it makes it possible to obtain a very high discharge current density on the cathode j_0 with a rather small potential drop U_a. This is connected with the formation of an active cesium film on the surface of cathode, as well as with the easy
(Engineering--Electronic, TT, v. 10, no. 9) (over)

63-18439

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The Electron and Ionic Emission of Metal-Film Cathodes in Cesium Vapor, by
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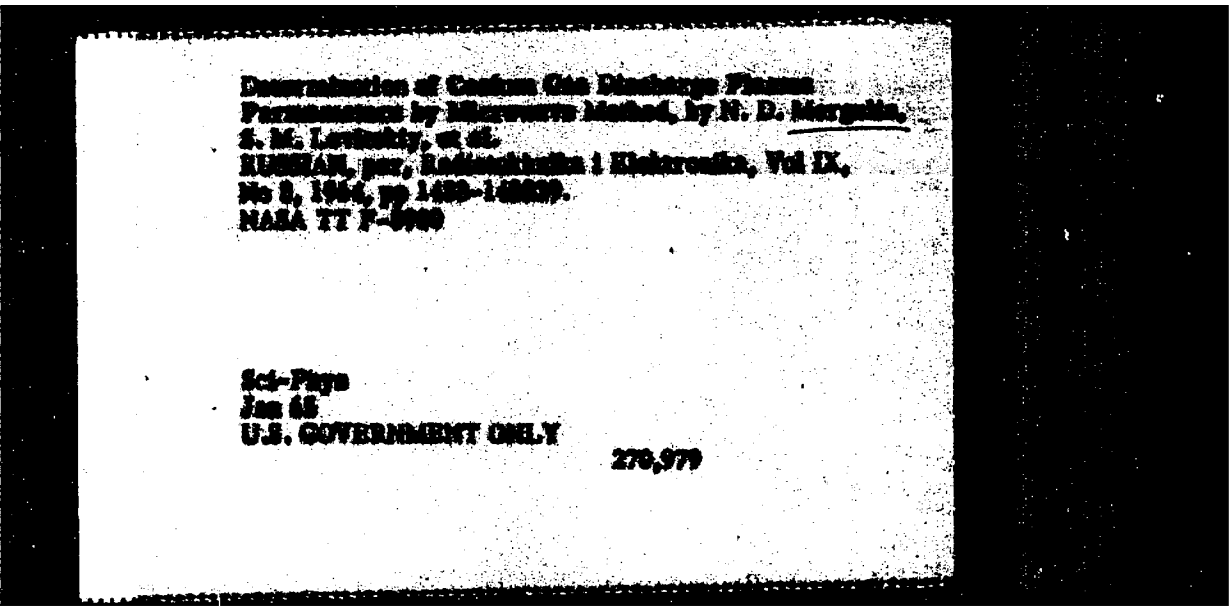

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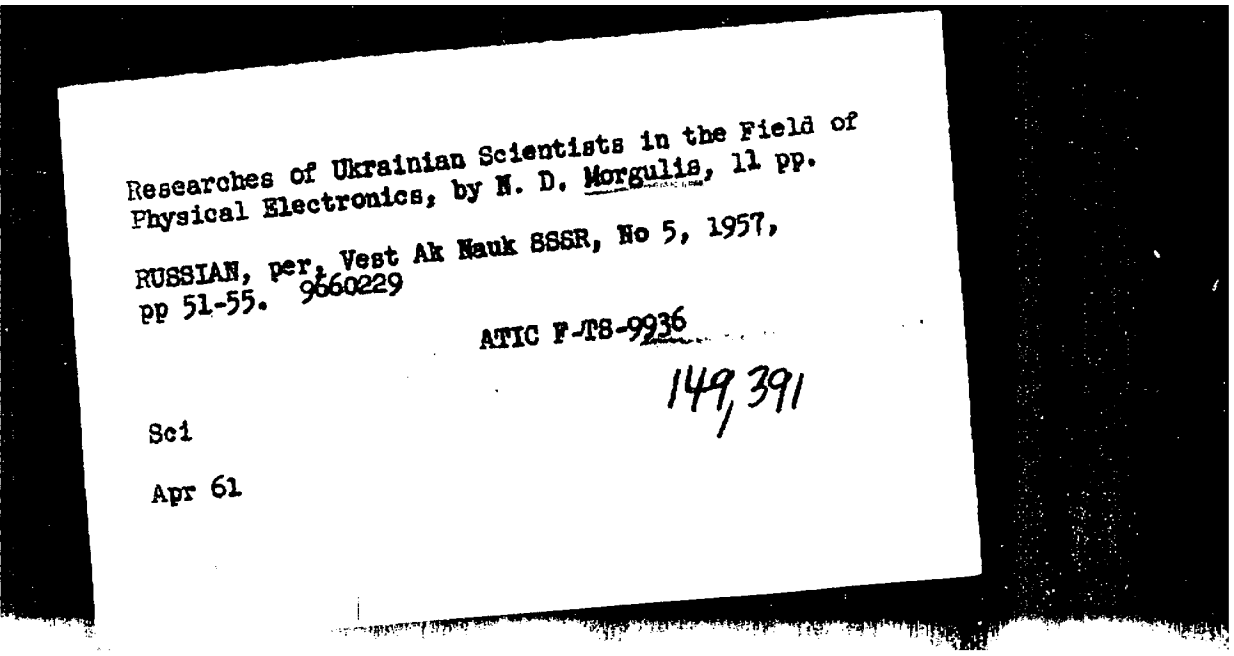

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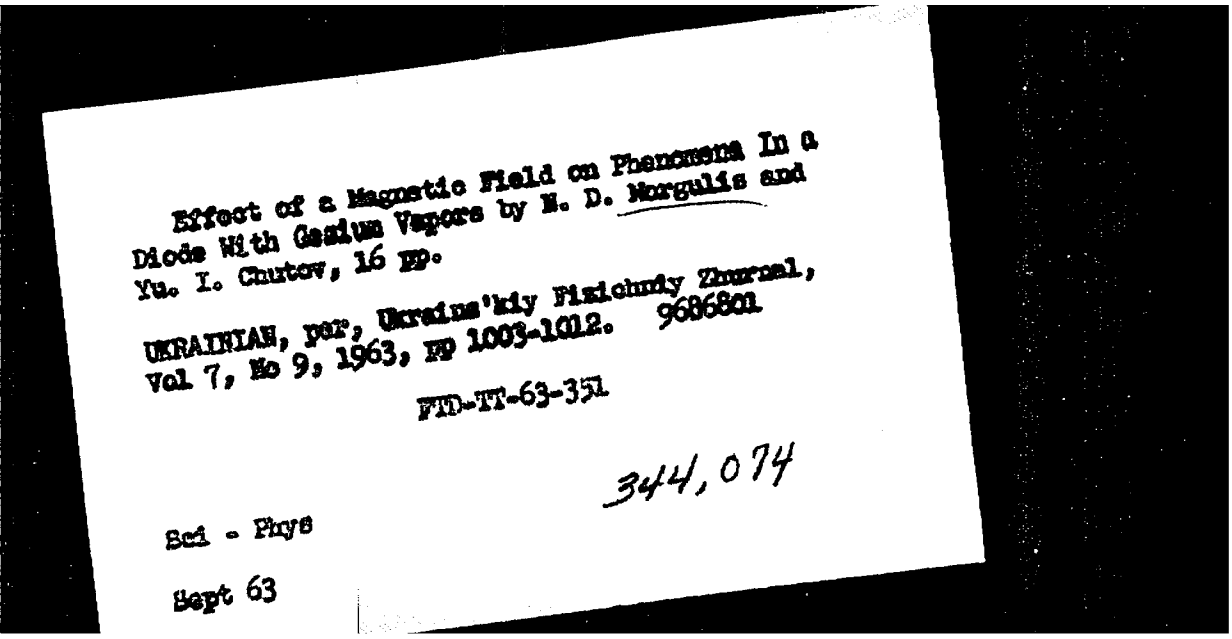

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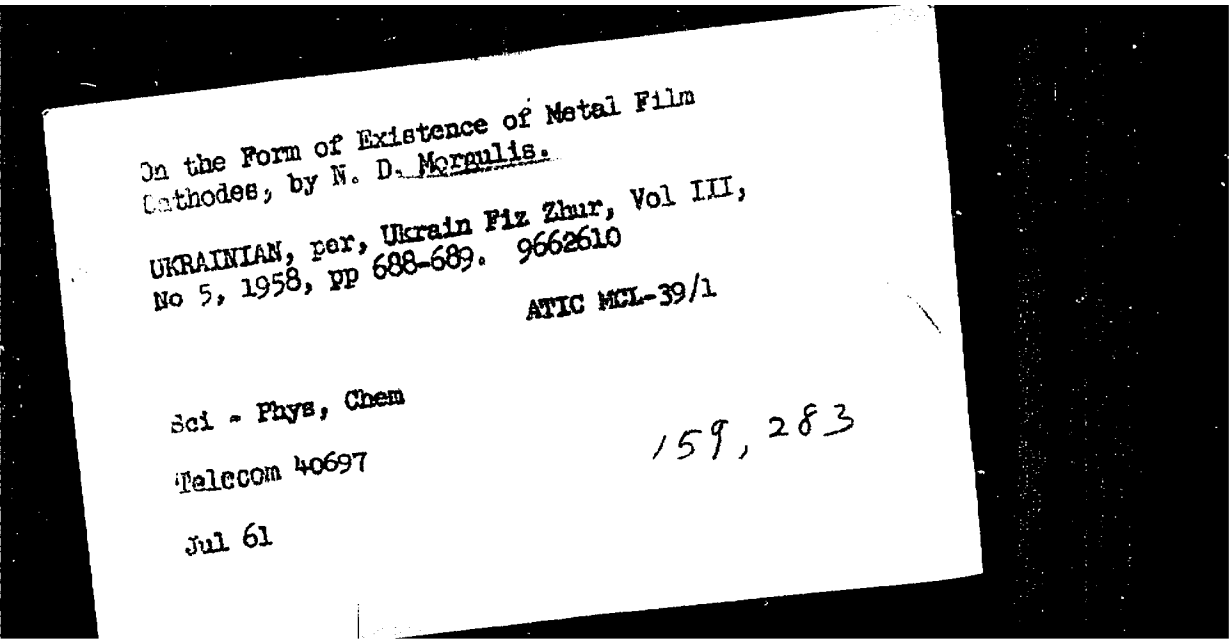

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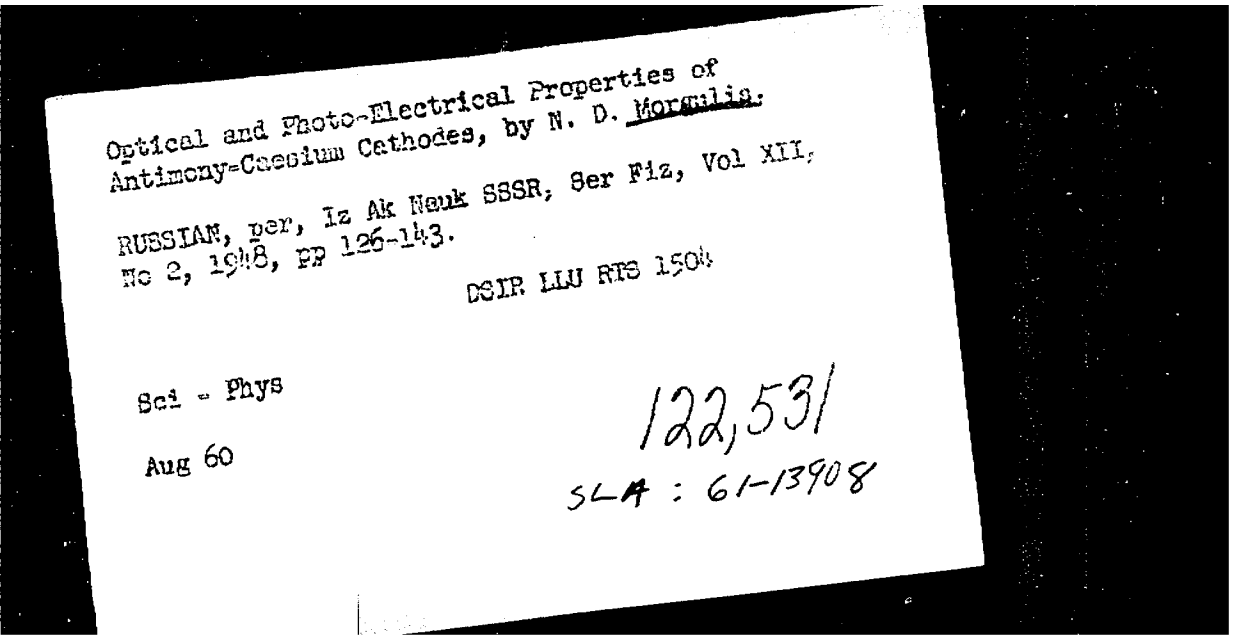

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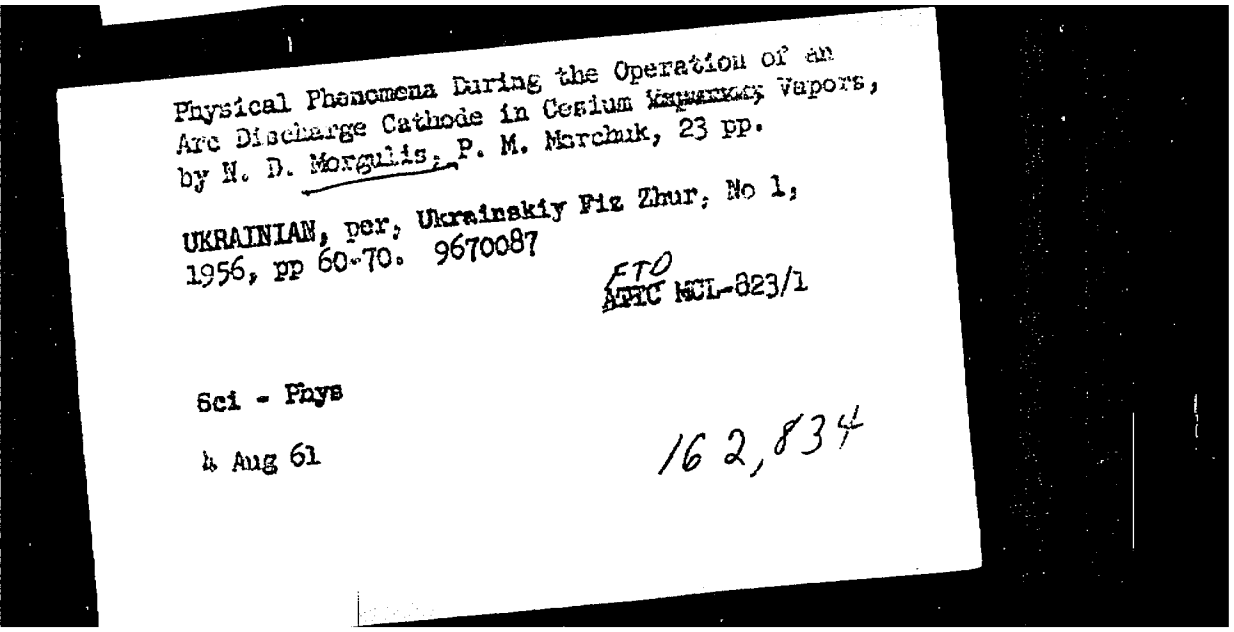

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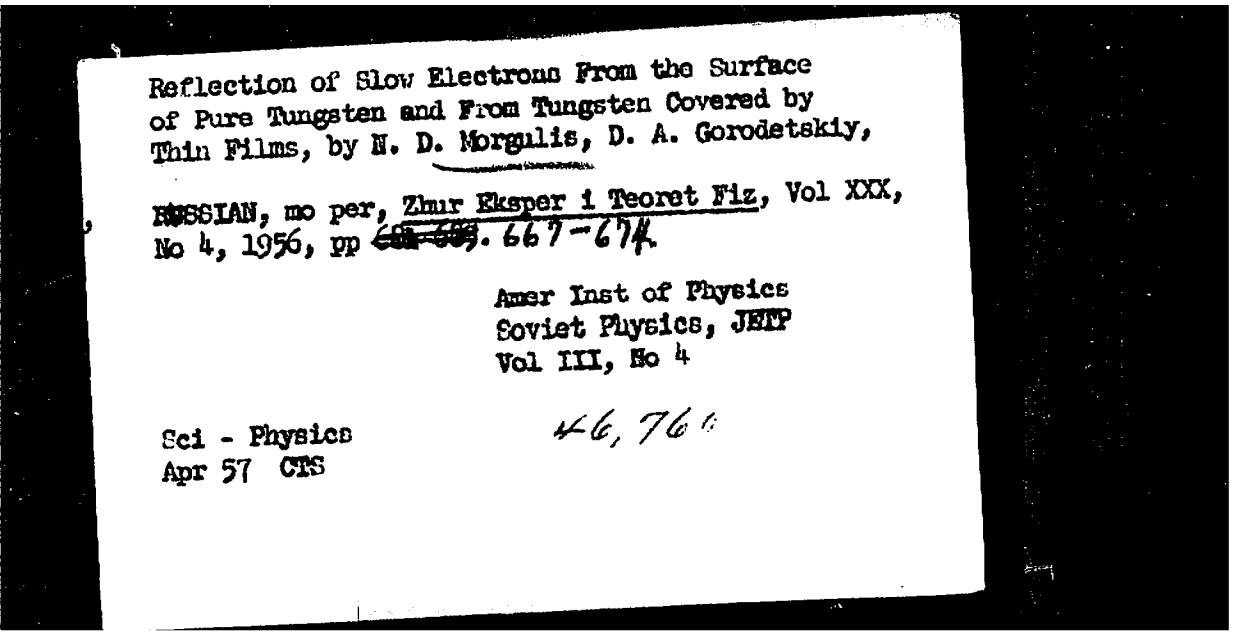

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Optical and photo-electrical properties of antimony-caesium cathodes

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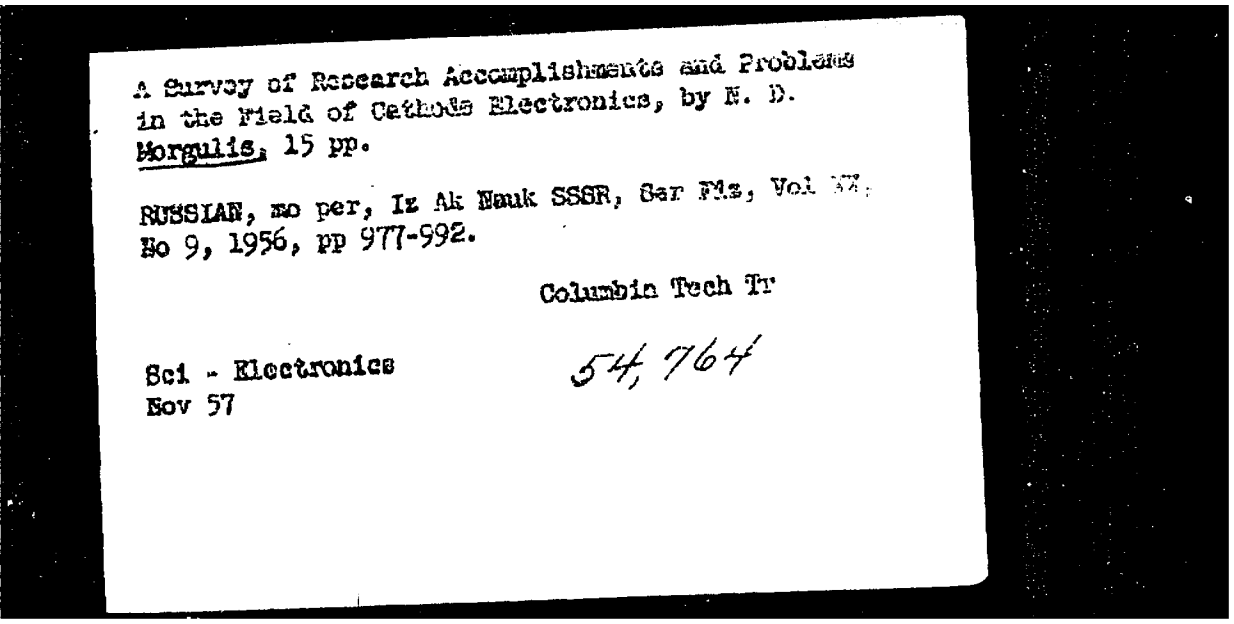

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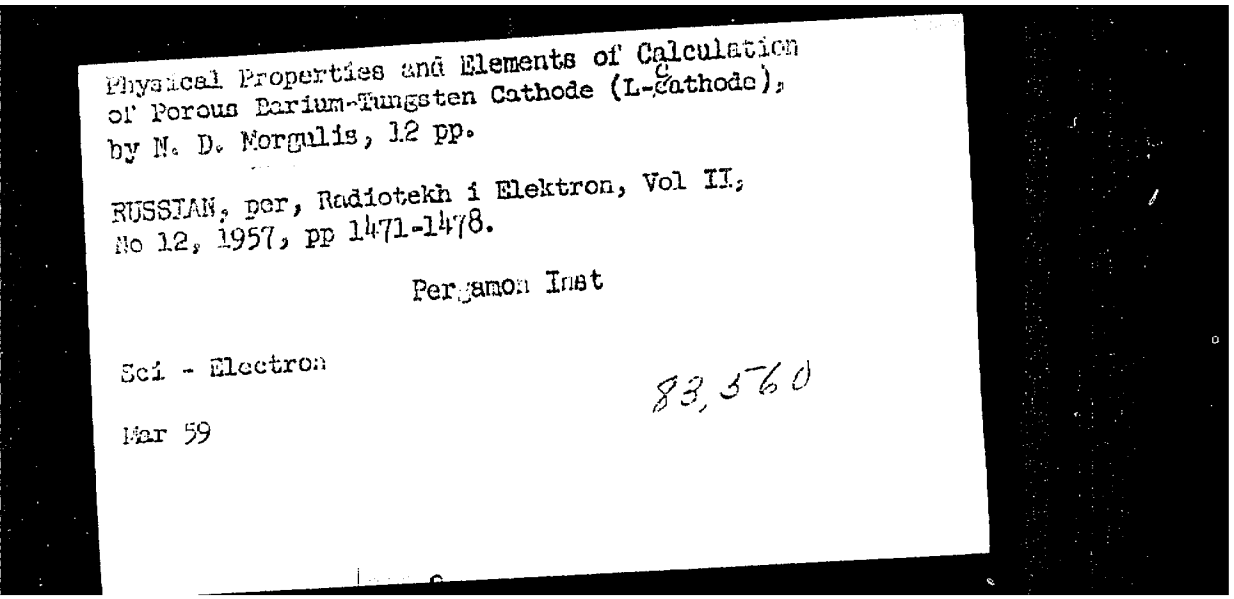

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SOME PHYSICAL FEATURES OF THERMOELECTRIC ENERGY CONVERSION, BY N. D. MORGULIS, YU. P. KORCHEVOY, YU. I. CHUTOV, 6 PP.

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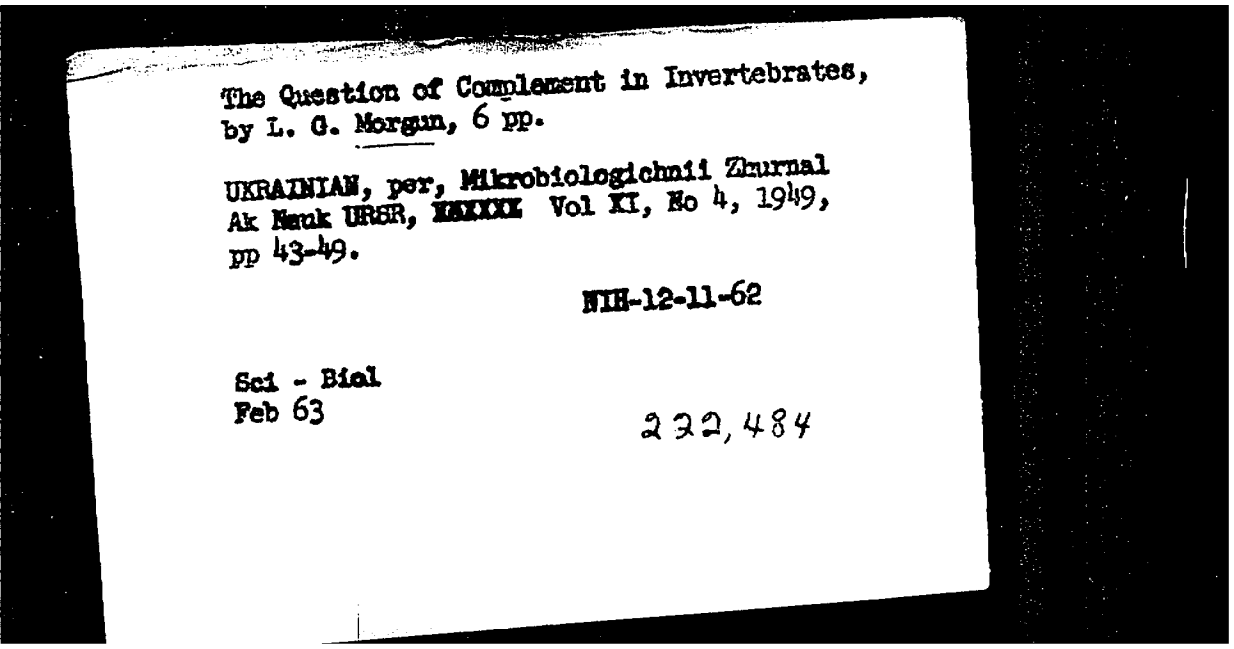

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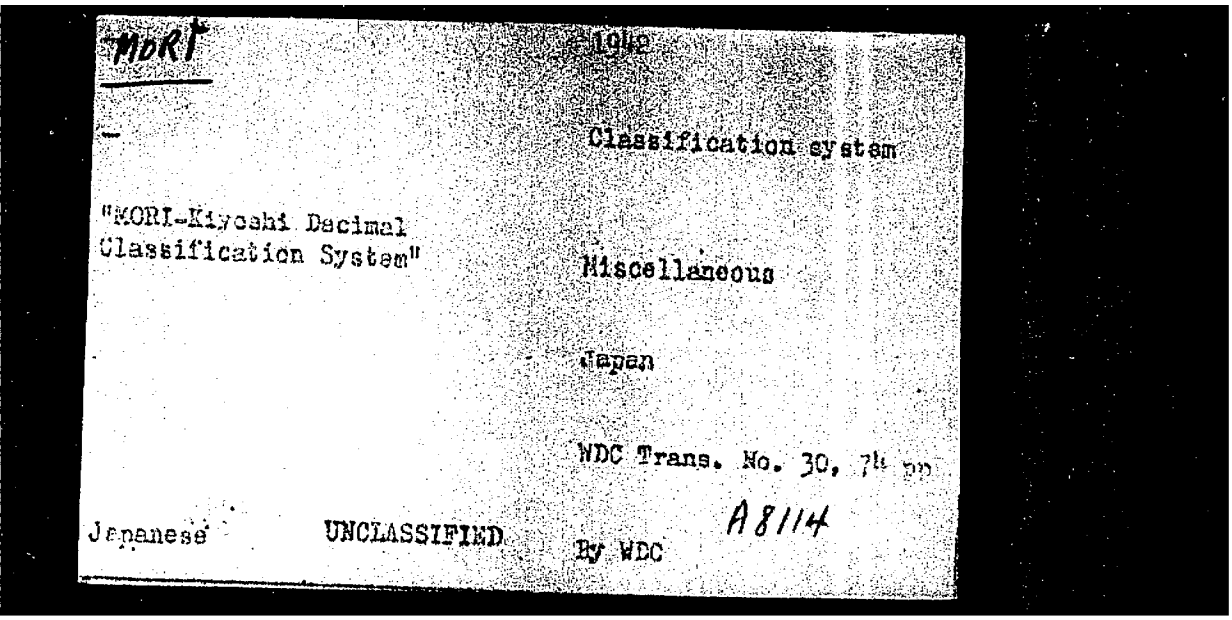

MORI

1948

Classification system

"MORI-Kiyoshi Decimal Classification System"

Miscellaneous

Japan

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Japanese UNCLASSIFIED By WDC

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